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(54) Title: PAINT COMPOSITION IMPROVED FAR-INFRARED RADIATION, ANTIBIOSIS AND SOLVENT RESISTANCE,
AND PRECOATED METAL SHEET COATED THE SAME

(57) Abstract: Disclosed is a paint composition having high far-infrared radioactivity, antibiotic activity and solvent resistance and a precoated metal sheet for home appliances, coated with the paint composition. According to the current invention, a paint composition including a thermosetting resin, 9-60 parts by weight of ceramic powder and 0.2-4.0 parts by weight of phosphoric acid, based on 100 parts by weight of the thermosetting resin, is provided, and a precoated metal sheet coated with such a paint composition is also provided. The paint composition and the precoated metal sheet coated with the paint composition manifest high far-infrared radioactivity and antibiotic activity, and as well, have storage stability and solvent resistance increased by neutralizing the alkalinity of ceramic powder using phosphoric acid. Further, a silane compound and a curing catalyst are additionally used to increase gloss and processability.

WO 2005/063898 A1